Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently amended): A process for the production of a 2-oxa-3-one androstane derivative, the process comprising reacting a 3-one androstane derivative with ozone to form a 2-oxa-3-one androstane derivative, wherein the reaction is conducted in the presence of an organic or inorganic peroxide.

Claim 2 (Cancelled)

Claim 3 (Currently amended): The process of claim [[2]] 1, wherein the peroxide is hydrogen peroxide.

Claim 4 (Original): The process of claim 1, wherein the reaction is carried out in a temperature range from about 1°C to about 50°C.

Claim 5 (Original): The process of claim 1, wherein the 3-one androstane derivative is reacted with ozone for about 3 hours to about 5 hours.

Claim 6 (Original): The process of claim 1, wherein the ozone that is reacted with the 3-one androstane derivative is present as a mixture of oxygen and ozone.

Claim 7 (Original): A process for the production of oxandrolone, the process comprising reacting mestanolone with ozone to form oxandrolone.

Claim 8 (Original): The process of claim 7, wherein the reaction is conducted in the presence of an organic or inorganic peroxide.

Claim 9 (Original): The process of claim 8, wherein the peroxide is hydrogen peroxide.

Claim 10 (Original): The process of claim 7, wherein the reaction is carried out in a

temperature range from about 1°C to about 50°C.

Claim 11 (Original): The process of claim 7, wherein the mestanolone is reacted with ozone for about 3 hours to about 5 hours.

Clam 12 (Original): The process of claim 7, wherein the ozone that is reacted with the mestanolone is present as a mixture of oxygen and ozone.

Claim 13 (Original): A process for the production of oxandrolone, the process comprising reacting mestanolone with ozone in the presence of hydrogen peroxide in a temperature range from about 1°C to about 50°C. for about 3 hours to about 5 hours, the ozone being present in a mixture of oxygen and ozone.

Claim 14 (Original): The process of claim 13, wherein the mestanolone is present in an aqueous solution.

Claim 15 (Original): A process for the production of a 2-oxa-3-one androstane derivative, the process comprising reacting a 3-one androstane derivative of formula (IV)

(IV)
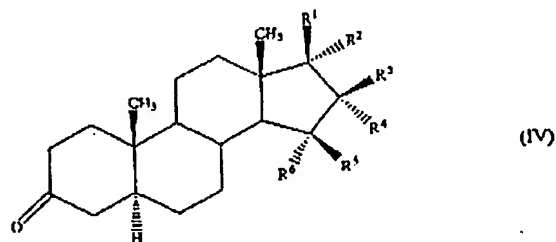
wherein R^1, R^2, R^3, R^4, R^5, and R^6 are independently selected from the following group: hydrogen, C_{1-10} alkyl, C_{1-10} ketone, phosphate, C_{1-10} alkyl carboxylate, amino, hydroxy, thiol, C_{1-10} thioalkyl, C_{1-10} alkoxy, substituted C_{1-10} alkyl, and halogen; with ozone to form a 2-oxa-3-one androstane derivative of formula (V)

(V)
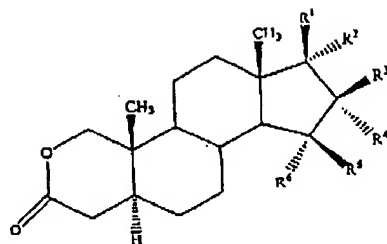
wherein R^1, R^2, R^3, R^4, R^5, and R^6 are as above in formula (IV).

Claim 16 (Original): The process of claim 15, wherein the reaction is conducted in the presence of an organic or inorganic peroxide.

Claim 17 (Original): The process of claim 16, wherein the peroxide is hydrogen peroxide.

Claim 18 (Original): The process of claim 15, wherein the reaction is carried out in a temperature range from about 1°C to about 50°C.

Claim 19 (Original): The process of claim 15, wherein the 3-one androstane derivative of formula (IV) is reacted with ozone for about 3 hours to about 5 hours.

Claim 20 (Original): The process of claim 15, wherein the ozone that is reacted with the 3-one androstane derivative of formula (IV) is present as a mixture of oxygen and ozone.

Claim 21(Original): The process of claim 20, wherein the reaction is conducted in the presence of hydrogen peroxide.